

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
12 July 2001 (12.07.2001)

PCT

(10) International Publication Number
WO 01/49840 A2

(51) International Patent Classification: C12N 15/00

[US/US]; 2028 Longcome Drive, Wilmington, DE 19810 (US).

(21) International Application Number: PCT/US00/35310

(22) International Filing Date:
22 December 2000 (22.12.2000)

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(25) Filing Language: English

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(26) Publication Language: English

(30) Priority Data:
60/174,325 4 January 2000 (04.01.2000) US

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(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

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Published:

— Without international search report and to be republished upon receipt of that report.

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(54) Title: SPFI-RELATED TRANSCRIPTION FACTORS

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MASTGGLDH-----GTF-TTPPFITSTFTELLSGGGGDLGAGGEERSPRGFSRGG
MASTGGLDH-----GTF-TTPPFITSTFTELLSGGGGDLGAGGEERSPRGFSRGG
MASSSGGLDTSASANSFTNFTFSTHFFMTTFSFDLLASF-----LDNNKPPQGG-----S
MASSSGTIDAPTASSSFS-----FSTASSFMSSFTDLLASF-----ATSGGVSRLGL-DRTA
1 60

* * * * *
ARVGGGVKFKSAQPPSLPLSPPPVSPSSYFAIPGLSPTELLDSPVLLSSSHILAFPTT
ARVGGGVKFKSAQPPSLPLSPPPVSPSSYFAIPGLSPTELLDSPVLLSSSHILASPTT
ERTGSGVFKFKSTPPSLPLSPPPISPSYFAIPGLSPAELLDSPVLLSSSHILASPTT
ERTGSGVFKFKSLPPSLPLSPPAVSPSSYFAIPGLSPAELLDSPVLLSSSHILASPTT
61 120

* * * * *
GAIPAQRVDWKASA---DLIASQDDSRGDSFHTNSDAMAQAQAPSPFS-----
GAIPAQRVDWKASA---DLIASQDDSRGDSFHTNSDAMAQAQAPSPFS-----
GAFVAQSFNNKSSGGNQIIVKEEDKSFNSFQTRSGPASPSTATVQSSNVTVQQTQPW
GTFPAQTFNNKNSNASQEDVKKQEKGYDPSFQT-----NSASMTLN-----
121 180

* * * * *
-FKEQEQQVVESSKNG-----AAAASSNKS GG-----
-FKEQEQQVVESSKNG-----AAAASSNKS GG-----
SFQEATQKQDNFSGRGMKMTENSSMQSFPEIASVQ-TNNSHGFQSDGMYN-----PQS
-YEDSKRKKDELNS-----LQSLPVTVTSTQSSGQNG-----GSYSEYNQCCPFS
181 240

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(57) Abstract: This invention relates to an isolated nucleic acid fragment encoding an SPFI-related transcription factor. The invention also relates to the construction of a chimeric gene encoding all or a portion of the SPFI-related transcription factor, in sense or antisense orientation, wherein expression of the chimeric gene results in production of altered levels of the SPFI-related transcription factor in a transformed host cell.

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